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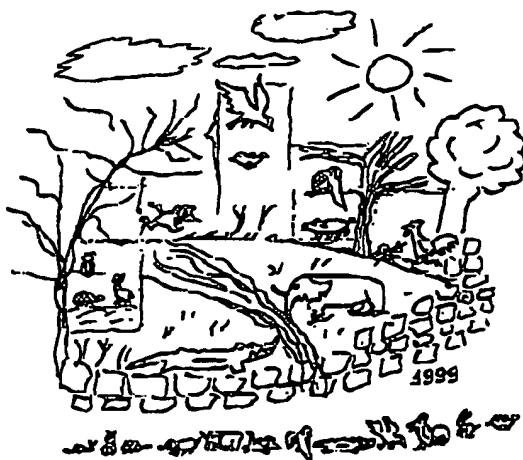
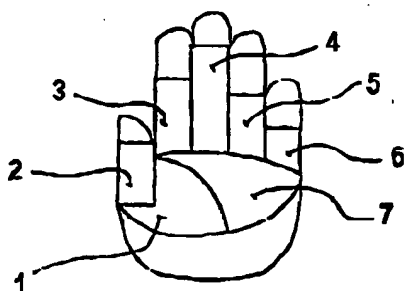
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(54) Title: VISUAL SENSITIVE SUPPORT OF CALENDARS



(57) Abstract: The present invention refers to an element that will become part of the composition of a calendar with the aim of integrating the calendar into objects or illustrations. It is applicable to the calendars of dates. The proposed solution is a definition of areas (1-7) that will constitute themselves as elements of the calendar, the sum of the areas (1-7) constituting the support for the other elements being associated therewith. The disposition of seven areas (1-7), one for each day of the week, in sequential order allows the reduction of necessary space and/or the change of the appearance of the calendar, allows integrating the calendar into illustrations, objects or advertisements, the calendar thus being fitted to a ring, to a small coin, to a pen, to a shirt button, to a credit card, to an industry mark, trade or service, to an advertisement to a landscape in a picture, to a toy and other objects in a personalised way.

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### VISUAL SENSITIVE SUPPORT OF CALENDARS

This present invention refers to an element that starts to do part of the composition of calendars. It is applicable to the calendars of dates, as the Gregorian, the Egyptian, and the Israeli, among others.

5 The previous calendars usually form a structure in form of tables with identifiers characters of days of the month and days of the week, disposed in lines and columns, where leaving of the day of the month, it is followed in the sense of the line or of the column to be located the day of the week, or leaving of the day of the week, it is followed in the sense of the line or of the column to be located the  
10 day of the month.

In general each table corresponds to an only month of the year, but there are also calendars where an only table corresponds to all year. In this last case there is just an only group of days of the month.

The previous calendars, commonly, come accompanied by objects,  
15 illustrations and advertisements being noticed what evidently is calendar.

It is difficult to integrate the previous calendars to an illustration or an object without the calendar gets plenty attention for itself, usually taking the characteristic or harming, the aesthetics of the due group to great amount of characters (numbers or letters) that composes the calendar. Also, for the same reason, it  
20 is practically unviable to join, so that it is visibly readable, a traditional calendar with twelve months in a small area that fits in a ring, in a button, in a small coin, in a pen cover, for instance.

Nowadays, the smallest printed calendar or object that we can imagine, it still occupies a lot of space and it is very difficult to use it jointly with some product  
25 of reduced size without interfering excessively in the group.

Besides, every year the printed calendars lose their usefulness because they cannot be used the following year. And that implicates in an enormous amount of material thrown away.

The present invention has the aim of solving the mentioned problems such  
30 as: to allow the reduction of necessary space to the calendars and/or the change of the appearance of the same ones integrating them the illustrations, objects, advertisements that accompany becoming them more present in a subtle way

making possible in many cases, that the shape/object has subsequent usefulness at the end of the calendar.

The solution proposed by the present invention is the definition of areas that start to constitute in calendar elements and support for other elements of the same. The sum of the areas constitutes the support for the other elements, that  
5 associated to these ones, they supply the information of calendar.

The mentioned areas can be shapes/objects or parts of shapes/objects.

Each element area can correspond to a day of the week and to it is associated elements that correspond to a/some day(s), with preference the first,  
10 the eighth, the fifteen, the twenty-second and the twenty-ninth of each month.

Or, each element area can correspond to one month and to it is associated an element that corresponds to the day of the week corresponding to a/some day(s), with preference the first, the eighth, the fifteen, the twenty-second and the twenty-ninth of that month.

This way, considering that the support becomes integral part of the  
15 calendar, with other elements distributed according to the defined areas, we have a coincidence of areas among the defining elements of days of the week and days of the month, there is no way to go through from the day of the month to the day of the week or from the day of the week to the day of the month.

The disposition of seven areas, one for each day of the week, in  
20 sequential order can serve as an instrument to be traveled for obtaining of the other days non informed more directly

For instance, if in an area that means Tuesday it is inserted an element that means first, eighth, fifteen, twenty-second and twenty-ninth day(s), we can count  
25 twenty-two in the area of Tuesday, twenty-three in the area of Wednesday, twenty-four in the area of Thursday, and so forth, until we get to the wanted day; It's getting to this, we observe which area stopped the count and we have the day of the corresponding week.

Still considering that constituted instrument of seven areas, if we want to  
30 know how many days the respective month has, in the case of the Gregorian calendar, it is enough we make the count starting from the defining element of the month in subject, considering this as twenty-nine and following the count even

before getting to the definer element of the following month; the last count will correspond to the last day of the month. If the same area comprises the definer element of the month in subject and the definer element of the following month, for obvious it doesn't exist the twenty-nine in the month in subject.

5        Considering the infinite alternatives of definitions of areas the calendar constituted like this can be of common use, identified as such for anybody that has previous knowledge of the definition of areas, as it can be used in a personal way, for the definition of the elements areas and of the other complementary elements in agreement with the symbolic universe wanted by the users; it could  
10 arrive to the point that, before a picture that presents a landscape, for instance, the solicitor and his supplier only know immediately that they are before a calendar. It is possible, therefore, harmonize the calendar with the environment and maintain it even after the passage of the last day of the calendar in subject.

15        It becomes possible to integrate the calendar, visible with the naked eye, to a ring, to a small coin, to a shirt button, to a credit card, to an industry mark, trade or service, to a advertisement and infinites other objects/shapes.

      If we have in mind that the day of the week of the first, eighth, fifteen, twenty-two and twenty-nine of every month are always equal, when visualizing the calendar, it is possible to obtain the day of the week of the days of the year in an  
20 interval of one to ten seconds, even for initial users, according to the ability of each one. Therefore the speed of obtaining of the information can be faster than the one of the previous calendars.

      It allows to be obtained the information of the calendar in a more natural way. The user comes across different styles of calendar, stimulating the intellect in  
25 a pleasant way, very different from the table structures.

      The enclosed drawings show some of the applications of the present invention:

      The fig. 1 displays the human hand divided in seven areas (1) (2) (3) (4) (5) (6) (7), each one representative of a day of the week; and the areas of the fingers  
30 represent the days of the week, so that the one of the thumb (2) corresponds Monday, the one of the indicator (3) corresponds Tuesday, the one of the middle finger (4) corresponds Wednesday, the one of the ring (5) corresponds Thursday

and the one of the minimum finger (6) corresponds Friday; the central area of the hand comes divided in two areas, so that the base of the thumb (1) corresponds to Sunday and the base of the other fingers (7) corresponds on Saturday;

The fig. 2 displays a variant of the illustration 1  
 5 with twelve rectangles where representative characters/symbols of the twelve months of the year of 1999, will be inserted January (11), February (12), March (13), April (14), May (15), June (16), July (17), August (18), September (19), October (20), November (21), December (22), distributed in the seven areas in agreement with the day of the week of the first, eighth, fifteen, twenty-two and  
 10 twenty-nine of each month; the characters/symbols can be, for instance January, February, March, April, May, June, July, August, September, October, November, December.

The fig. 3 displays other variant of the illustration 1; in this case for the positions in that the rectangles are distributed where representative  
 15 characters/symbols of the twelve months of the year of 1999 will be inserted although don't appear the limits among areas, it is implicit, to whom is already user of the new technology that the support is composed of seven associated areas the human hand,

The fig. 4 also displays a variant of the illustration 1; in this case, twelve  
 20 animals, each one representing one of the twelve months of the year of 1999 are distributed in seven groups, as background a landscape that in a subtle way presents, in some lines a linking with areas of the human hand; in the inferior part for the sequential position in that they present the same twelve animals, it identifies which month represents each one;

The fig. 5 introduces a similar form of a clock  
 25 where twelve representative areas of the months of the year coincide with the respective positions of the hours and shows twelve rectangles where symbols/characters will be inserted, identifiers of the days of the week - Sunday (31), Monday (32), Tuesday (33), Wednesday (34), Thursday (35), Friday (36),  
 30 Saturday (37) - of the first, eighth, fifteen, twenty-two and twenty-nine days of each one of the months of 1999, positioned one in each one of the areas corresponding to the respective month; the symbols/characters can be, for

instance Sun, Mon, Tues, Wed, Thurs, Fri, Sat.

The fig. 6 displays a variant of the illustration 5, where the areas of the positions of hour of one to seven, in the external part, present seven circumferences that can be colored, for example, Sunday/yellow (41), Monday/red (42), Tuesday/blue (43), Wednesday/green (44), Thursday/purple (45), Friday/black (46), Saturday/orange (47); and the areas of the positions of hour of one to twelve, in the internal part represent the months of the year of 1999, each one in agreement with the color corresponding to the day of the week of the first, eighth, fifteen, twenty-two and twenty-nine of every month.

Among the several ways of executing to present invention, we consider that the best is to constitute the support based on seven associated areas the human hand, because this is knowledge of all, facilitating the common use, it is asymmetric, avoiding confusion among areas and, also, because as the elements areas, when visualized with explicitness, as the groups of elements disposed in the seven areas, they can supply instantly the days of the week of the days one, eight, fifteen, twenty-two and twenty-nine and, still, to serve as instrument for the obtaining of the days of the week of the other days, being enough to travel the areas, starting the counting from one of the known closer days of wanted day.

However as in some cases the objective is to reduce still more the size of the calendar in order to integrate it to a ring, for instance, where we could visualize it with the naked eye, we consider that the best way is constituting the support based on twelve associated areas the positions of hour of a clock in its internal part, more seven associated areas the first seven positions of hour of the same clock in the external part, this for inscribing the days of the week, the other to present, according to legend, the days of the week of the days one, eight, fifteen, twenty-two and twenty-nine of every month.

The ways which the invention can be explored comprise, besides those in that nowadays the current calendars of dates are explored, countless other, mainly because they can be in a quite reduced size and for the flexibility aesthetic

The invention can be joined practically, any illustration or object, enlarging the usefulness of the same ones. For instance: credit card, phone card, presentation card, gloves, toys, little key keeper, gifts in general, ring, button of

clothes, bracelet, pendants, pens, pencil, rulers, cases, notebooks, blocks, calendars, medals, trophies, etc.

It can be used in stamps and commemorative coins of special dates; for instance, a stamp, or coin of the 500 years of the discovery of Brazil with the calendar of the year of 1500, with symbols that have relationship with the discovery, and jointly the calendar of the year 2000, with symbols related with Brazil now.

Personalized calendars/objects can be mounted for instance, for a builder to distribute for his customers, a calendars/objects, that can be used as weight for papers. In a format where five buildings more two areas of common use to the same ones are associated to seven areas of the human hand. For an industry of sodas instead of the format with buildings, it can be with bottles or cans.

Personalized calendars can be supplied using relatives' pictures, friends or other chosen images as symbols to being disposed on defined areas in an environment chosen for the same, in such a way that the user and the supplier will know that the picture or object is a calendar.

Pictures can be marketed with paintings comprising an implicit base of calendar without appearance of this, in such a way that the same maintains its ornamental value even if it finishes the period embraced as calendar.

They can also be marketed, besides pictures, other objects with several symbols in each representative area of the days of the week or months of the year in such a way that for the same illustration Jlg/legends can be supplied for several years, then it will be enough to see the legend or change the form that can be of reduced size, and the painting or object will continue serving as calendar

Didactic games can be created with several levels of difficulty. For instance, in the illustration it can have a jungle that corresponds to the elements areas and several animals that symbolize the other elements of the calendar, in such a way that some will easily be able to be found and other only with a lot of perception, then the forms of every year can be composed of months whose symbols, animals, are easier or more difficult of being found, so that two or more people can compete to see who discovers the requested dates first. Still, it can have option of form only with mammals, or reptiles, to facilitate the learning of the

differentiation among them. It can also have inspired calendars in historical facts and they are requested the corresponding dates in letters whose answers are in the verse of the same ones, for instance.



**CLAIMS:**

1) "VISUAL SENSITIVE SUPPORT OF CALENDARS", characterized by presenting areas, explicit or implicit perceptible that can be associated, to the months of the year and/or days of the week, on which can be inserted or associated, characters, symbols, colors, songs, objects or other elements that represent the days of the week and/or the months of the year, where it is possible to know the day of the week in a certain day of the month, with preference, in an instantaneous way the first, eighth, fifteenth, twenty-two and twenty-nine; so that the illustrations and/or objects formed by the group of the certain areas with characters, symbols, colors, songs, objects or other elements can supply the information of the calendar and at the same time, to show itself; with a such format, and/or with the elements willing of a such form, that its appearance is different from the appearance of the current calendars and prevail on this.

2) VISUAL SENSITIVE SUPPORT OF CALENDARS WITH FORMAT THAT MAKES POSSIBLE THE ASSOCIATION OF THE POSITIONS OF THE HOURS OF A CLOCK TO THE MONTHS OF THE YEAR in agreement with the claim 1, characterized by presenting a same or similar form of the clock form, stylized or not, and for possessing twelve representative areas of the months of the year associated the twelve hours of the clock so that on each area it can be inserted or associated some symbols, color, character(s), object or other element that represents a certain day of the week, with preference the day of the week of the first, eighth, fifteenth, twenty-two and twenty-nine of the month represented by the area on which the representative elements of the days of the week are inserted, or associated.

3) VISUAL SENSITIVE SUPPORT OF CALENDARS WITH FORMAT THAT MAKES POSSIBLE THE ASSOCIATION OF THE POSITIONS OF THE FIRST SEVEN HOURS OF A CLOCK TO THE DAYS OF THE WEEK in agreement with claim 1, characterized by being a base for calendar with a same or similar form to the total or partially form of the clock, stylized or not, and for possessing representative areas of the days of the week, where each one of the points that indicate the first seven hours belong or they are associated to an internal area or externals representative of the day of the week whose the order

number coincides with the number of the hour in that point, so that on each area can be inserted or associated, symbols, colors, characters, objects or other elements that can represent the month or the months of the year that have a certain day, with preference the first, eighth, fifteenth, twenty-two and twenty-nine.  
 5 that combines in the day of the week represented by the area on which the representative elements of the months are inserted or associated.

4) VISUAL SENSITIVE SUPPORT OF CALENDARS WITH DERIVED FORMAT OF THE HUMAN HAND WITH SEVEN ASSOCIATED AREAS TO THE SEVEN DAYS OF THE WEEK in agreement with claim 1,  
 10 characterized by being a base for calendar with stylized form or not, with derived shape of the human hand, possessor of seven representative areas of the days of the week on which can be inserted or associated symbols, colors, characters, objects or other elements that represent or can represent the month or the months of the year that have a certain day, with preference the first, eighth, fifteenth,  
 15 twenty-two and twenty-nine, that combines in the day of the week represented by the area on which the representative elements of the months are inserted or associated.

5) VISUAL SENSITIVE SUPPORT OF CALENDARS IN SAME OR SIMILAR FORMAT TO THE SUN in agreement with claim 1, characterized by the  
 20 similar form to the sun with areas associating positions of hours of a clock with ray of the sun.

6) VISUAL SENSITIVE SUPPORT OF CALENDARS WITH THE MONTHS OF THE YEAR REPRESENTED BY THE SYMBOLS OF THE HOROSCOPE in agreement with claim 1, characterized by using the symbols of  
 25 the horoscope to identify the months of the year, being used for every month, with preference, the symbol of the horoscope of the first day of that month.

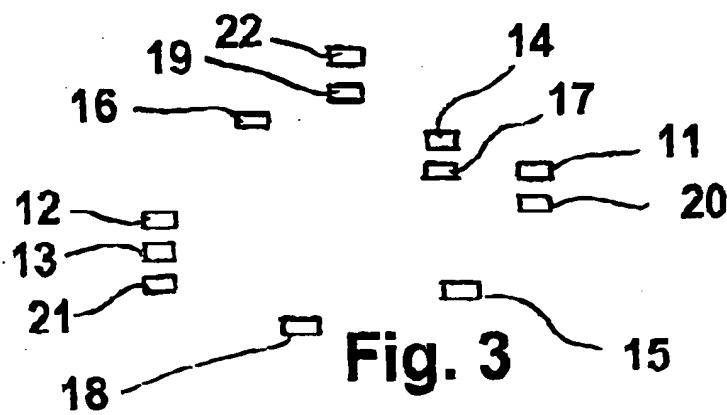
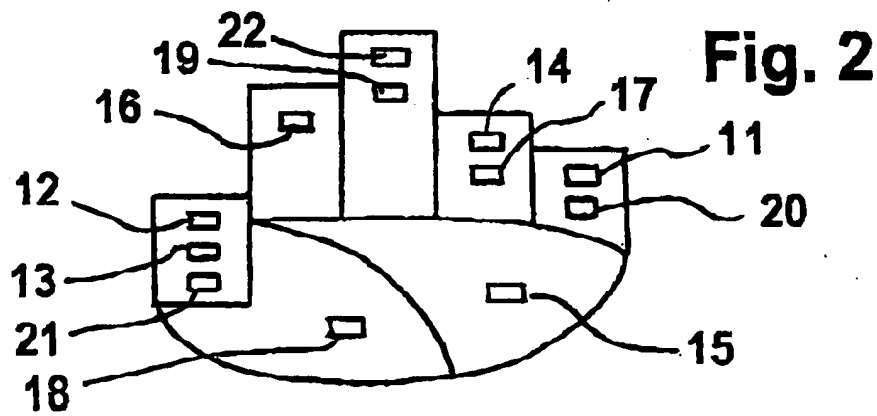
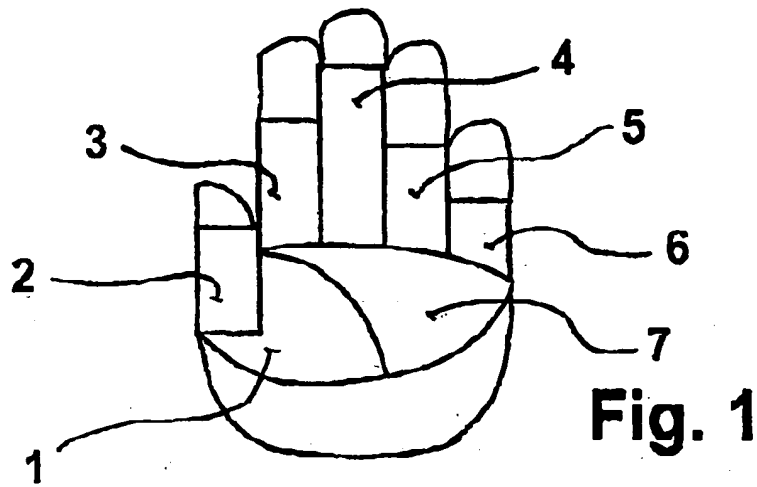
7)) VISUAL SENSITIVE SUPPORT OF CALENDARS WITH THE NUMBERS 1-8-15-22-29 OR SYMBOLS THAT REPRESENT THEM in agreement with claim 1, characterized by presenting the numbers 1-8-15-22-29  
 30 or symbols that represent them, close to illustrations or objects that are not a traditional calendar and they can be used as calendar or serve as support for other calendars.

8) VISUAL SENSITIVE SUPPORT OF CALENDARS WITH THE DAYS OF THE WEEK REPRESENTED BY THE SEVEN MUSICAL NOTES, in agreement with claim 1, characterized by using the representative symbols or tones of the seven musical notes to identify the days of the week.

5 9) VISUAL SENSITIVE SUPPORT OF CALENDARS WITH THE MONTHS OF THE YEAR AND/OR THE DAYS OF THE WEEK REPRESENTED BY COLORS in agreement with claim 1, characterized by using colors, instead of symbols, to identify the months of the year and/or day of the week corresponding to certain day of the month.

10 10) VISUAL SENSITIVE SUPPORT OF CALENDARS WITH THE MONTHS OF THE YEAR AND/OR THE DAYS OF THE WEEK ASSOCIATED THE ANIMALS OF THE GAME OF THE BUG in agreement with claim 1, characterized by using the animals accordingly their numbering in the game of the bug, to associate them to months and/or to the days of the week.

1/3



2/3

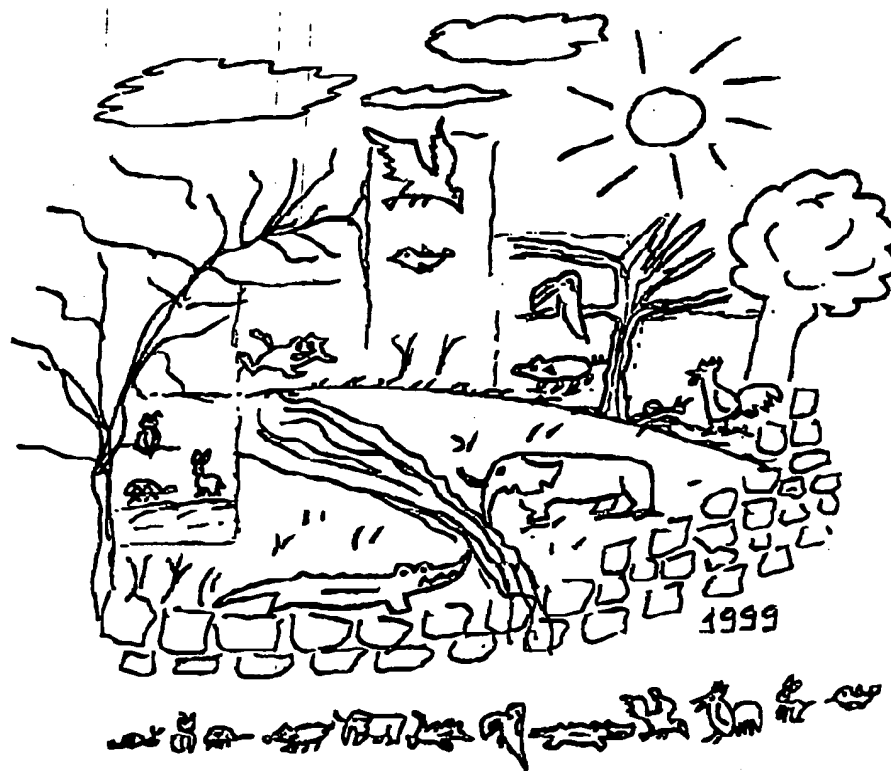


Fig. 4

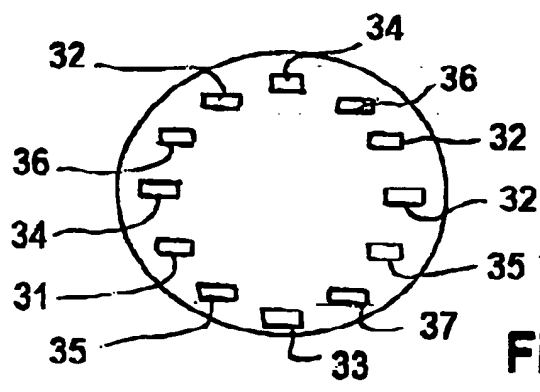


Fig. 5

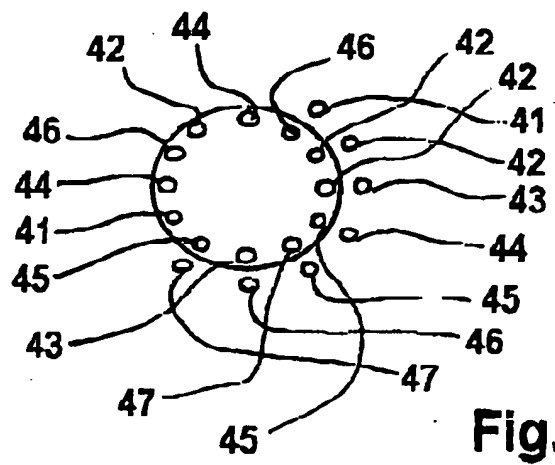


Fig. 6

# PATENT COOPERATION TREATY

PCT

## NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Commissioner  
US Department of Commerce  
United States Patent and Trademark  
Office, PCT  
2011 South Clark Place Room  
CP2/5C24  
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ETATS-UNIS D'AMERIQUE  
in its capacity as elected Office

Date of mailing:

01 March 2001 (01.03.01)

International application No.:

PCT/BR00/00075

Applicant's or agent's file reference:

International filing date:

12 July 2000 (12.07.00)

Priority date:

19 August 1999 (19.08.99)

Applicant:

GRAZZIOTIN, Fernando, Alberto et al

1. The designated Office is hereby notified of its election made:



in the demand filed with the International preliminary Examining Authority on:

29 December 2000 (29.12.00)



in a notice effecting later election filed with the International Bureau on:

2. The election ☒ was



was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer:

J. Zahra

Telephone No.: (41-22) 338.83.38

# PATENT COOPERATION TREATY

From the  
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To:

GRAZZIOTIN, FERNANDO ALBERTO  
Rua Francisco Alves 396  
Vila Rodrigues  
Passo Fundo, Rs 99070-130  
Brazil

## PCT

### NOTIFICATION OF TRANSMITTAL OF INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Rule 71.1)

Date of mailing  
(day/month/year) 18 December 2001 (18.12.01)

Applicant's or agent's file reference

#### IMPORTANT NOTIFICATION

International application No.  
PCT/BR 00/00075

International filing date (day/month/year)  
12 July 2000 (12.07.00)

Priority Date (day/month/year)  
19 August 1999 (19.08.99)

Applicant

GRAZZIOTIN, FERNANDO ALBERTO et al.

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

#### 4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/501).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/AT

Austrian Patent Office  
Kohlmarkt 8-10  
A-1014 Vienna  
Facsimile No. 1/53424/200

Authorized officer

Wolf

Telephone No. +43 / 1 / 53424 - 450



## INTERNATIONAL SEARCH REPORT

International application No.

PCT/BR00/00075

## A. CLASSIFICATION OF SUBJECT MATTER

IPC<sup>2</sup>: G09D 3/02 G09D 3/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC<sup>2</sup>: G09D 3/00 B42D 5/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPIL, EPODOC, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, of the relevant passages with indication, where appropriate	Relevant to claim No.
X	US 5 799 423 A (MALINO) 1 September 1998 (01.09.98) figs 1,3,5,7,8; column 3, line 46-54; column 4, lines 11-34; claims 1,2.	1,9,10
X	US 5 934 707 A (JOHNSON) 10 August 1999 (10.08.99) figs 1-4; abstract; column 2, line 66 - column 3, line 11; column 3, lines 41-49; column 4, lines 11-21; claim 1.	1,9,10
X	DE 298 05 523 U1 (GRUBER) 23 July 1998 (23.07.98) figs 1,2; page 1, line 5 - page 3, paragraph 2.	1,2,6
X	EP 0 489 652 A1 (BEAUDENOM DE LAMAZE) 10 June 1992 (10.06.92) fig 5; page 5, line 39-56; claims 1,3.	1,2,6
A	US 4 387 521 A (WILHELM) 14 June 1983 (14.06.83) figs 1-5; column 1, lines 30-43; column 2, line 62 - column 3, line 44; claims 1,4.	1,9
A	DD 236 058 A1 (GIESEL ET AL.) 28 May 1986 (28.05.86) abstract; claim 1.	1,8

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

## • Special categories of cited documents:

- „A“ document defining the general state of the art which is not considered to be of particular relevance.
- „E“ earlier document but published on or after the international filing date
- „L“ document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- „O“ document referring to an oral disclosure, use, exhibition or other means
- „P“ document published prior to the international filing date but later than the priority claimed

„T“ later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention.

„X“ document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

„Y“ document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

„&amp;“ document member of the same patent family

Date of the actual completion of the international search

21 November 2000 (21.11.00)

Date of mailing of the international search report

02 February 2001 (02.02.01)

Name and mailing address of the ISA/AT  
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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/BR 00/00075

Patent document cited in search report			Publication date	Patent family member(s)			Publication date
US	A	5799423	01-09-1998	none			
US	A	5934707	10-08-1999	none			
DE	U1	29805523	23-07-1998	EP	A1	985168	15-03-2000
				WO	A1	9949367	30-09-1999
EP	A1	489652	10-06-1992	AT	E	152255	15-05-1997
				WO	A1	9949367	30-09-1999
EP	A1	489652	10-06-1992	AT	E	152255	15-05-1997
EP	B1	489682	23-04-1997	DE	C0	69125802	28-05-1997
				DE	T2	69125802	10-09-1998
				FR	A1	2670305	12-06-1992
US	A	4387521	14-06-1983	none			
DD	A	236058		none			

# PATENT COOPERATION TREATY

## PCT

### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference		<b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/414)	
International application No. <b>PCT/BR 00/00075</b>	International filing date (day/month/year) <b>12 July 2000 (12.07.2000)</b>	Priority Date (day/month/year) <b>19 August 1999 (19.08.1999)</b>	
International Patent Classification (IPC) or national classification and IPC: <b>IPC<sup>7</sup>: G09D 3/02, G09D 3/00</b>			
Applicant: <b>GRAZZIOTIN, FERNANDO ALBERTO et al.</b>			
<p>1. This international preliminary examination report has been prepared by this International Preliminary Examination Authority and is transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>7</u> sheets, including this cover sheet.</p> <p><input checked="" type="checkbox"/> This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).</p> <p>These annexes consist of a total of <u>3</u> sheets.</p> <p>3. This report contains indications relating to the following items:</p> <ul style="list-style-type: none"> <li>I. <input checked="" type="checkbox"/> Basis of the opinion</li> <li>II. <input type="checkbox"/> Priority</li> <li>III. <input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</li> <li>IV. <input type="checkbox"/> Lack of unity of invention</li> <li>V. <input checked="" type="checkbox"/> Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</li> <li>VI. <input type="checkbox"/> Certain documents cited</li> <li>VII. <input type="checkbox"/> Certain defects in the international application</li> <li>VIII. <input checked="" type="checkbox"/> Certain observations on the international application</li> </ul>			
Date of submission of the demand <b>29 December 2000 (29.12.2000)</b>		Date of completion of this report <b>27 November 2001 (27.11.2001)</b>	
Name and mailing address of the IPEA/AT <b>Austrian Patent Office          Kohlmarkt 8-10          A-1014 Vienna          Facsimile No. 1/53424/200</b>		Authorized officer  <b>WENNINGER</b> Telephone No. 1/53424/325	

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No  
PCT/BK 00/00075

## 1. Basis of the report

1. With regard to the elements of the international application:\*\*

☐ the international application as originally filed

☒ the description:

pages 1-7, as originally filed

pages \_\_\_\_\_, filed with the demand

pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_

☒ the claims:

pages \_\_\_\_\_, as originally filed

pages \_\_\_\_\_, as amended (together with any statement) under Article 19

pages \_\_\_\_\_, filed with the demand

pages 1-3, filed with the letter of 28 March 2001 (28.03.2001).

☒ the drawings:

pages 1-5, as originally filed

pages \_\_\_\_\_, filed with the demand

pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_

☐ the sequence listing part of the description:

pages \_\_\_\_\_, as originally filed

pages \_\_\_\_\_, filed with the demand

pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language \_\_\_\_\_ which is:

☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).

☐ the language of publication of the international application (under Rule 48.3(b)).

☐ the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

☐ contained in the international application in printed form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of:

☐ the description, pages \_\_\_\_\_

☐ the claims, Nos. \_\_\_\_\_

☐ the drawings, sheets/fig. \_\_\_\_\_

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).\*\*

\* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as 'originally filed' and are not annexed in this report since they do not contain amendments (Rules 70.16 and 70.17).

\*\* Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

Form PCT/PEA/409 (Box 1) (July 1998)

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

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## V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability: citations and explanations supporting such statement

1. Statement Novelty (N)	Claims 1-10	YES
	Claims	NO
Inventive step (IS)	Claims 1-10	YES
	Claims	NO
Industrial applicability (IA)	Claims 1-10	YES
	Claims	NO

### Citations and explanations (Rule 70.7)

#### The following documents are cited in the search report:

- D1 US 5 799 423 A (MALINO)
- D2 US 5 934 707 A (JOHNSON)
- D3 DE 298 05 523 U1 (GRUBER)
- D4 EP 0 489 652 A1 (BEAUDENOM DE LAMAZE)
- D5 US 4 387 521 A (WILHELM)
- D6 DD 236 058 A1 (GIESEL ET AL.)

The examination report was established on the basis of the amended claims 1-10 filed with letter of March 28, 2001.

#### The results of the examination report are as follows:

Documents D1-D4 are considered to represent the most relevant state of the art concerning the claims 1,2; D5 and D6 represent a state of the art of less relevance.

D1 discloses a magnetic calendar of the perpetual type adapted to be attached to a metal surface or object which is preferably planar whereby the magnetic pieces are adhered to the non-ferromagnetic body portion of the calendar by the magnetic attraction force acting through the non-ferromagnetic body portion and to the magnetic surface or object, the magnetic pieces being constructed of strip magnets with month of the day, an occasion or a holiday affixed thereto and being easily rearranged to display calendars of different months of the year and of different

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.  
PCT/BR 00/00075

## Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: Box V (page 1)

years, artwork being displayed within the grid-like section of the calendar and including pictorials such as objects, phrases, colours, letters and the like which are useful for aiding and enabling learning in children.

D2 discloses a calendar comprising a panel bearing date indicia corresponding to the days of a year sequentially numbered for each month, a plurality of masks for removably adhering to said panel comprising an opening configured to reveal date indicia corresponding to one day of the month and to conceal adjacent and contiguous date indicia, each mask bearing a pictorial device configured to evoke a symbol of one of a human activity and a human sentiment, for indicating a suggested day to engage in the activity symbolized by the mask.

D3 discloses a watch with a date, hour, minute and seconds display, Maya signs being provided instead of the usual hour signs, the 20 Tzolkin day symbols being applied to an outer ring rotating according to the clock movement, the meaning of each of the respective combinations of Maya signs and Tzolkin day symbols being inferred from the corresponding Tzolkin calendar.

D4 discloses an astrological indicator, with a Chinese component including a first display showing the 24 hours, and a second display showing the 24 astrological signs, the watch further including a date and year indicator, along with Zodiac signs, the combination of information on the watch allowing determination of the two most eventful hours of each day of the year as a function of the chosen birth date.

D5, D6 represent a state of the art of less relevance.

Claim 1: None of the prior art documents anticipates nor renders obvious the visual sensitive support of calendars of dates, comprising seven areas representing the days of the week, characters, symbols, colours, sounds, objects or other elements being inserted on said areas or being associated with said areas, said characters, symbols, colours, sounds, objects or elements representing the months the first days of which correspond to said day of the week being represented by said area, said arrangement allowing the user to determine any day of the week of the other days following the sequential order of said seven areas constituting the calendar.

Accordingly, the requirements of novelty, inventive step and industrial applicability are complied with.

## Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: Box V (page 2)

Claim 2: None of the cited documents anticipates nor renders obvious a visual sensitive support of calendars presenting a format providing an association between the positions of the hours of a clock and the respective months of the year, wherein each position of the hour presents inserted or associated characters, symbols, colours, songs, objects or other elements representing the day of the week of the first day of any month of the year.

Accordingly, the requirements of novelty, inventive step and industrial applicability are complied with.

Claim 3: None of the cited documents anticipates nor renders obvious a visual support of calendars comprising a format providing an association between the positions of the first seven hours of a clock and areas representing the days of the week.

Accordingly, the requirements of novelty, inventive step and industrial applicability are complied with.

Claim 4: None of the cited documents anticipates nor renders obvious the visual sensitive support of calendars comprising seven areas associated with the seven days of the week and providing a format of a human hand, symbols, colours, characters, objects or other elements being inserted on said areas or being associated with said areas and representing the months of the year having a certain day, with preference the first, eighth, fifteenth, twenty-second and twenty-ninth, providing an association between said representative elements of the months and the day of the week represented by said area.

Accordingly, the requirements of novelty, inventive step and industrial applicability are complied with.

Claims 5-8: The subject-matter of claims 5-8 can be considered to be new and to involve an inventive step, reciting specified features concerning a format enabling the association of said month areas of the year in positions of the hour with rays of the sun, presenting symbols of the horoscope distributed in seven areas corresponding to the first day of each month on the representative area that coincides with the day of the week of the first day of the respective month, presenting the numbers 1-8-15-22-29 or symbols representing said numbers, and the days of the week being represented by representative symbols or tones of the seven musical notes, said features not being anticipated nor rendered obvious by the cited prior art documents.

Accordingly, the requirements of novelty, inventive step and industrial applicability are complied with.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

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Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: Box V (page 3)

Claim 9: None of the cited documents anticipates nor renders obvious a visual sensitive support of calendars comprising seven different characters, symbols, colours, sounds, objects or other elements representing each one of the days of the week disposed in a group of seven areas in agreement with the positions of the hour of the clock.

Accordingly, the requirements of novelty, inventive step and industrial applicability are complied with.

Claim 10: None of the cited documents anticipates nor renders obvious a visual sensitive support of calendars comprising a sequence of characters, symbols, colours, sounds, objects or other elements representing the days of the week of the first day of each month, said disposition of seven areas being associated with the days of the week in sequential order and constituting the calendar, thus allowing integrating the calendar into illustrations, objects or advertisements.

Accordingly, the requirements of novelty, inventive step and industrial applicability are complied with.



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

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VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

The definition in the claims of the matter for which protection is sought shall be in terms of the technical features of the invention.

However, some of the features used in the claims of the application do not meet this demand in a satisfactory manner for a distinguishing feature of the invention, in particular the feature "presenting the numbers 1-8-15-22-29 or symbols representing said numbers close to illustrations or objects that are not a traditional calendar" (see claim 7).

A recasting of the claims 1-10 seems to be necessary in order to comply with said requirement.

International application No. PCT/BR00/00075

International filing date. 12 July 2000

Priority date: 19 August 1999

Applicants: GRAZZIOTIN, Fernando Alberto and  
GRAZZIOTIN, Ricardo Moacyr

In order to facilitate the understanding and to present claims which aren't conflicted with the documents mentioned in the International Search Report, three sheets were substituted through three amended sheets, as they follow:

- Claim 1 was dismembered in three claims (1, 2 and 10);
- Claim 2 incorporated a part of the claim 1, stopping being dependent of this;
- Claims 3 and 4 unchanged;
- Claim 5 started to depend of the claim 2, because the claim 1 was dismembered;
- Claim 6 was modified because we understood that was not appropriately formulated;
- Claim 7 started to depend of the claim 1 and/or 2, because the claim 1 was dismembered;
- Claim 8 unchanged;
- Claim 9 was enlarged and reformulated to present claims which aren't conflicted with the mentioned documents;
- The previous claim 10 was totally substituted by the new claim 10, which presents part of the previous claim 1.

Date of mailing: 28 March 2001

Fernando Alberto Grazziotin

Ricardo Moacyr Grazziotin

## CLAIMS:

1) VISUAL SENSITIVE SUPPORT OF CALENDARS WITH AREAS DAYS OF THE WEEK, applicable to the calendars of dates, as the Gregorian, the Egyptian, and the Israeli, among others, characterized by presenting seven areas (1) (2) (3) (4) (5) (6) (7), explicit or implicitly perceptible, each one of them representing one of the days of the week and they have on each one of them, inserted or associated, characters, symbols, colors, sounds, objects or others elements (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) which represent the month (s) that initiate in the same day of the week whose respective area is representing, so that, following the sequential order of the seven areas, just with these data, it's possible to know the days of the week of the others days.

2) VISUAL SENSITIVE SUPPORT OF CALENDARS WITH MONTHS AREAS OF THE YEAR IN POSITIONS OF HOUR", characterized by presenting, explicit or implicitly, a format which makes possible the association of the positions of the hours of a clock to the respective months of the year and, simultaneously, by presenting, about each position of hour, inserted or associated, characters, symbols, colors, sounds, objects or others elements that represent the day of the week of the first day of each month, being the day of the week of the first day of the first month of the year in the position of the hour one, the day of the week of the first day of the second month of the year in the position of the hour two, and so forth.

3) VISUAL SENSITIVE SUPPORT OF CALENDARS WITH FORMAT THAT MAKES POSSIBLE THE ASSOCIATION OF THE POSITIONS OF THE FIRST SEVEN HOURS OF A CLOCK TO THE DAYS OF THE WEEK in agreement with claim 1, characterized by being a base for calendar with a same or similar form to the total or partially form of the clock, stylized or not, and for possessing representative areas of the days of the week, where each one of the points that indicate the first seven hours belong or they are associated to an internal area or externals representative of the day of the week whose the order number coincides with the number of the hour in that point, so that on each area can be inserted or associated, symbols, colors, characters, objects or other

elements that can represent the month or the months of the year that have a certain day, with preference the first, eighth, fifteenth, twenty-two and twenty-nine, that combines in the day of the week represented by the area on which the representative elements of the months are inserted or associated.

5 4) VISUAL SENSITIVE SUPPORT OF CALENDARS WITH  
DERIVED FORMAT OF THE HUMAN HAND WITH SEVEN ASSOCIATED  
AREAS TO THE SEVEN DAYS OF THE WEEK in agreement with claim 1,  
characterized by being a base for calendar with stylized form or not, with derived  
shape of the human hand, possessor of seven representative areas of the days of  
10 the week on which can be inserted or associated, symbols, colors, characters,  
objects or other elements that represent or can represent the month or the months  
of the year that have a certain day, with preference the first, eighth, fifteenth,  
twenty-two and twenty-nine, that combines in the day of the week represented by  
the area on which the representative elements of the months are inserted or  
15 associated.

5) VISUAL SENSITIVE SUPPORT OF CALENDARS IN SAME OR  
SIMILAR FORMAT TO THE SUN in agreement with claim 2, characterized by the  
similar form to the sun with areas associating positions of hours of a clock with ray  
of the sun.

20 6) VISUAL SENSITIVE SUPPORT OF CALENDARS WITH  
SYMBOLS OF THE HOROSCOPE DISTRIBUTED IN SEVEN AREAS, in  
agreement with the claim 1, characterized by presenting each symbol of the  
horoscope corresponding to the first day of each month, on the representative  
area of the day of the week that coincides with the day of the week of the first day  
25 of the respective month.

7) VISUAL SENSITIVE SUPPORT OF CALENDARS WITH THE  
NUMBERS 1-8-15-22-29 OR SYMBOLS THAT REPRESENT THEM in agreement  
with claim 1 and/or 2, characterized by presenting the numbers 1-8-15-22-29 or  
symbols that represent them, close to illustrations or objects that are not a  
30 traditional calendar and they can be used as calendar or serve as support for  
other calendars.

8) VISUAL SENSITIVE SUPPORT OF CALENDARS WITH THE DAYS OF THE WEEK REPRESENTED BY THE SEVEN MUSICAL NOTES, in agreement with claim 1, characterized by using the representative symbols or tones of the seven musical notes to identify the days of the week.

9) VISUAL SENSITIVE SUPPORT OF CALENDARS WITH AREAS OF THE MONTHS OF THE YEAR AND AREAS OF THE DAYS OF THE WEEK in agreement with claim 2, characterized by presenting still the seven different (11) (12) (13) (14) (15) (16) (17) characters, symbols, colors, sounds, objects or other elements that represent each one of the days of the week disposed in a group of seven areas, also in agreement with the positions of hour of the clock, however in the external or internal part in relation to the month areas, with the element which represents the first day of the week in the position of hour one, the element which represents the second day of the week in the position of hour two, and so forth.

10) VISUAL SENSITIVE SUPPORT OF CALENDARS SEQUENTIAL OF THE DAYS OF THE WEEK OF THE FIRST DAY OF EVERY MONTH, characterized by presenting the simple sequence of characters, symbols, colors, sounds, or other elements that represent the days of the week of the first day of every month of the year (s), in growing order of the months, joined to objects as pens, rulers, rings, coins, etc., becoming possible the use of these objects also as calendar because each element of the sequence is in an area considered month area.

REPLACED BY  
ART 34 AMDT

**CLAIMS:**

1) "VISUAL SENSITIVE SUPPORT OF CALENDARS", characterized by presenting areas, explicit or implicit perceptible that can be associated, to the months of the year and/or days of the week, on which can be inserted or associated, characters, symbols, colors, songs, objects or other elements that represent the days of the week and/or the months of the year, where it is possible to know the day of the week in a certain day of the month, with preference, in an instantaneous way the first, eighth, fifteenth, twenty-two and twenty-nine; so that the illustrations and/or objects formed by the group of the certain areas with characters, symbols, colors, songs, objects or other elements can supply the information of the calendar and at the same time, to show itself; with a such format, and/or with the elements willing of a such form, that its appearance is different from the appearance of the current calendars and prevail on this.

2) VISUAL SENSITIVE SUPPORT OF CALENDARS WITH FORMAT THAT MAKES POSSIBLE THE ASSOCIATION OF THE POSITIONS OF THE HOURS OF A CLOCK TO THE MONTHS OF THE YEAR in agreement with the claim 1, characterized by presenting a same or similar form of the clock form, stylized or not, and for possessing twelve representative areas of the months of the year associated the twelve hours of the clock so that on each area it can be inserted or associated some symbols, color, character(s), object or other element that represents a certain day of the week, with preference the day of the week of the first, eighth, fifteenth, twenty-two and twenty-nine of the month represented by the area on which the representative elements of the days of the week are inserted, or associated.

3) VISUAL SENSITIVE SUPPORT OF CALENDARS WITH FORMAT THAT MAKES POSSIBLE THE ASSOCIATION OF THE POSITIONS OF THE FIRST SEVEN HOURS OF A CLOCK TO THE DAYS OF THE WEEK in agreement with claim 1, characterized by being a base for calendar with a same or similar form to the total or partially form of the clock, stylized or not, and for possessing representative areas of the days of the week, where each one of the points that indicate the first seven hours belong or they are associated to an

traditional calendar and they can be used as calendar or serve as support for other calendars.

8) VISUAL SENSITIVE SUPPORT OF CALENDARS WITH THE DAYS OF THE WEEK REPRESENTED BY THE SEVEN MUSICAL NOTES, in agreement with claim 1, characterized by using the representative symbols or tones of the seven musical notes to identify the days of the week.

9) VISUAL SENSITIVE SUPPORT OF CALENDARS WITH THE MONTHS OF THE YEAR AND/OR THE DAYS OF THE WEEK REPRESENTED BY COLORS in agreement with claim 1, characterized by using colors, instead of symbols, to identify the months of the year and/or day of the week corresponding to certain day of the month.

10) VISUAL SENSITIVE SUPPORT OF CALENDARS WITH THE MONTHS OF THE YEAR AND/OR THE DAYS OF THE WEEK ASSOCIATED THE ANIMALS OF THE GAME OF THE BUG in agreement with claim 1, characterized by using the animals accordingly their numbering in the game of the bug, to associate them to months and/or to the days of the week.

internal area or externals representative of the day of the week whose the order number coincides with the number of the hour in that point, so that on each area can be inserted or associated, symbols, colors, characters, objects or other elements that can represent the month or the months of the year that have a certain day, with preference the first, eighth, fifteenth, twenty-two and twenty-nine, that combines in the day of the week represented by the area on which the representative elements of the months are inserted or associated.

4) VISUAL SENSITIVE SUPPORT OF CALENDARS WITH DERIVED FORMAT OF THE HUMAN HAND WITH SEVEN ASSOCIATED AREAS TO THE SEVEN DAYS OF THE WEEK in agreement with claim 1, characterized by being a base for calendar with stylized form or not, with derived shape of the human hand, possessor of seven representative areas of the days of the week on which can be inserted or associated symbols, colors, characters, objects or other elements that represent or can represent the month or the months of the year that have a certain day, with preference the first, eighth, fifteenth, twenty-two and twenty-nine, that combines in the day of the week represented by the area on which the representative elements of the months are inserted or associated.

5) VISUAL SENSITIVE SUPPORT OF CALENDARS IN SAME OR SIMILAR FORMAT TO THE SUN in agreement with claim 1, characterized by the similar form to the sun with areas associating positions of hours of a clock with ray of the sun.

6) VISUAL SENSITIVE SUPPORT OF CALENDARS WITH THE MONTHS OF THE YEAR REPRESENTED BY THE SYMBOLS OF THE HOROSCOPE in agreement with claim 1, characterized by using the symbols of the horoscope to identify the months of the year, being used for every month, with preference, the symbol of the horoscope of the first day of that month.

7)) VISUAL SENSITIVE SUPPORT OF CALENDARS WITH THE NUMBERS 1-8-15-22-29 OR SYMBOLS THAT REPRESENT THEM in agreement with claim 1, characterized by presenting the numbers 1-8-15-22-29 or symbols that represent them, close to illustrations or objects that are not a